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Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted
a patent (Rule 4.17(ii)) for the following designations AE,
AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,

CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES,
FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
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OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
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— as to the applicant's entitlement to claim the priority of the
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BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC,
EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL,
PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,
TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent
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European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
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EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL,
PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,
TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent
(GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI,
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GQ, GW, ML, MR, NE, SN, TD, TG)

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[Continued on next page]

(54) Title: ANTAGONISTIC ANTI-hFAS LIGAND HUMAN ANTIBODIES AND FRAGMENTS THEREOF

(57) Abstract: Human antibodies, preferably recombinant human antibodies that specifically bind to human Fas Ligand (hFasL) are disclosed. These antibodies have high affinity for hFasL, a slow off rate for hFasL dissociation and neutralize a Fas Ligand activity in vitro and in vivo. An antibody of the invention can be a full-length antibody or an antigen-binding portion thereof. The antibodies, or antigen-binding portions, of the invention are useful for neutralizing Fas Ligand activity, e.g., in a human subject suffering from a disorder in which hFas Ligand activity is detrimental. Nucleic acids, vectors and host cells for expressing the recombinant anti-hFasL human antibodies, and the methods for synthesizing the recombinant human antibodies are also encompassed by the invention.



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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/06155

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07 K 16/00, C12 N 5/00, A61 K 39/395, A61 K 39/00
US CL : 530/388.15, 389.2, 435/326, 424/145.1, 142.1, 185.1.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 530/388.15, 389.2, 435/326, 424/145.1, 142.1, 185.1.

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	MIWA, K. ET AL. Therapeutic effect of an anti-Fas ligand mAb on lethal graft-versus-host disease. International Immunology. Vol. 11, No. 6, 1999, pp. 925-931.	1-38
A	NAKAYAMA, M. ET AL. Fas/Fas ligand interactions play an essential role in the initiation of murine autoimmune diabetes. Diabetes. Vol. 51, 2002, pp. 1391-1397.	1-38
A	US 6,114,507 (SHIRAKAWA ET AL) 9 September 2000 (5.9.2000), see columns 7-11.	1-38
A	US 6,096,312 (MAKAMURA ET AL) 1 August 2000 (1.8.2000), see columns 5-8.	1-38



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance
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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

Medline, biosis, biotechno, embas, issued and published patents, geneseq, PIR 76, swissprot, SPTREMBL, WEST.
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